



# TORO Analysis of Industrial Truck and Tractor Operators to Laborers and Freight, Stock, and Material Movers, Hand

## INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Industrial Truck and Tractor Operators	53-7051.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Laborers and Freight, Stock, and Material Movers, Hand	53-7062.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

## OUTPUT SECTION:

<b>Grand TORQ:</b>				<b>86</b>							
Ability TORQ		Skills TORQ		Knowledge TORQ							
Level	80	Level	91	Level  85							
Gaps To Narrow if Possible		Upgrade These Skills		Knowledge to Add							
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
No Critical Gaps Recorded!				No Skills Upgrade Required!				No Knowledge Upgrades Required!			

LEVEL and IMPT (IMPORTANCE) refer to the Target Laborers and Freight, Stock, and Material Movers, Hand. GAP refers to level difference between Industrial Truck and Tractor Operators and Laborers and Freight, Stock, and Material Movers, Hand.

## ASK ANALYSIS

### Ability Level Comparison - Abilities with importance scores over 50

Description	Industrial Truck and Tractor Operators	Laborers and Freight, Stock, and Material Movers, Hand	Importance
Static Strength	71	59	61
Trunk Strength	51	47	58
Extent Flexibility	59	46	58
Manual Dexterity	44	37	56
Visualization	46	35	50

### Skill Level Comparison - Abilities with importance scores over 69

Description	Industrial Truck and Tractor Operators	Laborers and Freight, Stock, and Material Movers, Hand	Importance
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### Knowledge Level Comparison - Knowledge with importance scores over 69



Description	Industrial Truck and Tractor Operators	Laborers and Freight, Stock, and Material Movers, Hand	Importance
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### Experience & Education Comparison

Related Work Experience Comparison			Required Education Level Comparison		
Description	Industrial Truck and Tractor Operators	Laborers and Freight, Stock, and Material Movers, Hand	Description	Industrial Truck and Tractor Operators	Laborers and Freight, Stock, and Material Movers, Hand
10+ years	0%	1%	Doctoral	0%	4%
8-10 years	0%	0%	Professional Degree	0%	0%
6-8 years	0%	0%	Post-Masters Cert	0%	0%
4-6 years	0%	0%	Master's Degree	0%	0%
2-4 years	22%	1%	Post-Bachelor Cert	0%	0%
1-2 years	9%	14%	Bachelors	0%	0%
6-12 months	24%	6%	AA or Equiv	0%	5%
3-6 months	15%	15%	Some College	0%	0%
1-3 months	13%	11%	Post-Secondary Certificate	29%	0%
0-1 month	6%	9%	High School Diploma or GED	59%	69%
None	8%	38%	No HSD or GED	11%	19%

Industrial Truck and Tractor Operators      Laborers and Freight, Stock, and Material Movers, Hand

#### Most Common Educational/Training Requirement:

Short-term on-the-job training      Short-term on-the-job training

#### Job Zone Comparison

<p><b>2 - Job Zone Two: Some Preparation Needed</b></p> <p>Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.</p> <p>These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.</p> <p>Employees in these occupations need anywhere from a few months to one year of working with experienced employees.</p>	<p><b>2 - Job Zone Two: Some Preparation Needed</b></p> <p>Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.</p> <p>These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.</p> <p>Employees in these occupations need anywhere from a few months to one year of working with experienced employees.</p>
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### Tasks

Industrial Truck and Tractor Operators	Laborers and Freight, Stock, and Material Movers, Hand
Core Tasks	Core Tasks
<p>Generalized Work Activities:</p> <ul style="list-style-type: none"> <li>• Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.</li> <li>• Handling and Moving Objects - Using</li> </ul>	<p>Generalized Work Activities:</p> <ul style="list-style-type: none"> <li>• Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.</li> </ul>



hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Identifying Objects, Actions, and Events - Identifying information by categorizing, estimating, recognizing differences or similarities, and detecting changes in circumstances or events.

#### Specific Tasks

##### Occupation Specific Tasks:

- Hook tow trucks to trailer hitches and fasten attachments, such as graders, plows, rollers, and winch cables to tractors, using hitchpins.
- Manually load or unload materials onto or off pallets, skids, platforms, cars, or lifting devices.
- Move controls to drive gasoline- or electric-powered trucks, cars, or tractors and transport materials between loading, processing, and storage areas.
- Move levers and controls that operate lifting devices, such as forklifts, lift beams and swivel-hooks, hoists, and elevating platforms, to load, unload, transport, and stack material.
- Operate or tend automatic stacking, loading, packaging, or cutting machines.
- Perform routine maintenance on vehicles and auxiliary equipment, such as cleaning, lubricating, recharging batteries, fueling, or replacing liquefied-gas tank.
- Position lifting devices under, over, or around loaded pallets, skids, and boxes, and secure material or products for transport to designated areas.
- Signal workers to discharge, dump, or level materials.
- Turn valves and open chutes to dump, spray, or release materials from dump cars or storage bins into hoppers.
- Weigh materials or products, and record weight and other production data on tags or labels.

#### Detailed Tasks

##### Detailed Work Activities:

- fasten attachments or accessories to tractor
- inspect material moving equipment
- load, unload, or stack containers, materials, or products

- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Operating Vehicles, Mechanized Devices, or Equipment - Running, maneuvering, navigating, or driving vehicles or mechanized equipment, such as forklifts, passenger vehicles, aircraft, or water craft.

#### Specific Tasks

##### Occupation Specific Tasks:

- Adjust controls to guide, position and move equipment such as cranes, booms, and cameras.
- Adjust controls to raise and lower scenery and stage curtains during performances, following cues.
- Adjust or replace equipment parts such as rollers, belts, plugs, and caps, using hand tools.
- Assemble product containers and crates, using hand tools and precut lumber.
- Attach identifying tags to containers, or mark them with identifying information.
- Attach slings, hooks, and other devices to lift cargo and guide loads.
- Build braces and otherwise lash and shore cargo in ships' holds, in order to prevent shifting during voyages.
- Bundle and band material such as fodder and tobacco leaves, using banding machines.
- Carry needed tools and supplies from storage or trucks, and return them after use.
- Carry out general yard duties such as performing shunting on railway lines.
- Check out, rent, or requisition all equipment needed for productions or for set construction.
- Connect electrical equipment to power sources so that it can be tested before use.
- Connect hoses and operate equipment to move liquid materials into and out of storage tanks on vessels.
- Direct spouts and position receptacles such as bins, carts, and containers so they can be loaded.
- Erect tents and canopies to protect crews and equipment from weather.
- Guide loads being lifted in order to prevent swinging.



- maintain or repair cargo or passenger vehicle
- maintain production or work records
- measure, weigh, or count products or materials
- move or fit heavy objects
- operate cargo handling gear
- operate forklift
- operate material moving, loading, or unloading equipment
- operate packaging or banding machine or equipment
- operate tractor with accessories or attachments
- perform safety inspections in manufacturing or industrial setting
- signal directions or warnings to coworkers
- use hand or power tools
- use vehicle repair tools or safety equipment
- use weighing or measuring devices in transportation

#### Technology - Examples

##### Inventory management software

- Argos Software ABECAS Insight WMS
- ATMS StockTrack PLUS
- BarControl Enterprise Manager iBEM
- IntelliTrack Warehouse Management System WMS
- Lilly Software Associates VISUAL DCMS
- Midland Information Systems inventory management software
- Motek Priya
- RedPrairie DLx Warehouse
- SAP warehouse management software

##### Materials requirements planning logistics and supply chain software

- Aldata G.O.L.D. software
- SSA Global Supply Chain Management

#### Tools - Examples

- Belt conveyors
- Bulk liquid trucks
- Container reach stackers
- Hustlers

- Install protective devices, such as bracing, padding, or strapping, to prevent shifting or damage to items being transported.
- Lay tracks for camera dollies and cranes, and carry or push around dollies and cranes as instructed.
- Load and unload ship cargo, using winches and other hoisting devices.
- Maintain equipment storage areas to ensure that inventory is protected.
- Move freight, stock, and other materials to and from storage and production areas, loading docks, delivery vehicles, ships, and containers, by hand or using trucks, tractors, and other equipment.
- Pack containers and re-pack damaged containers.
- Read work orders or receive oral instructions to determine work assignments and material and equipment needs.
- Record numbers of units handled and moved, using daily production sheets or work tickets.
- Rig and dismantle props and equipment such as frames, scaffolding, platforms, or backdrops, using hand tools.
- Secure and release mooring lines of ships.
- Set up the equipment needed to produce special lighting and sound effects during performances.
- Sew canvas and other materials to make and repair tents, tarps, scrim, and backings, using sewing machines.
- Shovel material such as gravel, ice, or spilled concrete into containers or bins, or onto conveyors.
- Sort cargo before loading and unloading.
- Stack cargo in locations such as transit sheds or in holds of ships as directed, using pallets or cargo boards.
- Wash out cargo containers and storage areas.

#### Detailed Tasks

##### Detailed Work Activities:

- achieve special lighting or sound effects
- attach or mark identification onto products or containers
- clean equipment or machinery
- clean rooms or work areas
- dismantle or reassemble rigging
- handle props during performances
- load, unload, or stack containers, materials, or products
- maintain production or work records
- maintain safe work environment
- measure, weigh, or count products or



- Industrial crane trucks
- Bridgeplates
- Dockboards
- Dollies
- Flatbed trailers
- Booms
- Cantilever trucks
- Fork-grapples
- Motorized hand trucks
- Overhead hoists
- Jacks
- Combination vacuum lifts
- High-lift order picker trucks
- Tank trailers
- Pallet trucks
- Personal computers
- Personnel and burden carriers
- Snow plows
- Swivel hooks
- Telescopic forklifts
- On-board computers for sending/receiving instructions
- Wheel chocks
- Banding equipment

- materials
- move or fit heavy objects
  - operate hoist, winch, or hydraulic boom
  - operate packaging or banding machine or equipment
  - operate sewing machine
  - operate woodworking equipment/machinery
  - package goods for shipment or storage
  - perform safety inspections in manufacturing or industrial setting
  - read technical drawings
  - read work order, instructions, formulas, or processing charts
  - repair specialized rigging
  - requisition stock, materials, supplies or equipment
  - set up specialized rigging
  - signal directions or warnings to coworkers
  - sort manufacturing materials or products
  - use hand or power tools
  - use hand or power woodworking tools
  - use spray paint equipment
  - use two-way radio or mobile phone
  - wrap products

#### Technology - Examples

##### Data base user interface and query software

- Data entry software

##### Industrial control software

- Machine control software

##### Inventory management software

- Inventory tracking software

##### Spreadsheet software

- Spreadsheet software

#### Tools - Examples

- Dollies
- Forklifts
- Claw hammers
- Handtrucks
- Power hoists
- Jacks
- Lifting hooks
- Pallet transport trucks
- Personal computers



- Planes
- Power saws
- Hand saws
- Scaffolding
- Slings
- Winches
- Overhead cranes
- Banding machines

### Labor Market Comparison

Description	Industrial Truck and Tractor Operators	Laborers and Freight, Stock, and Material Movers, Hand	Difference
Median Wage	\$ 26,160	\$ 22,130	\$( 4,030)
10th Percentile Wage	\$ 20,690	\$ 15,710	\$( 4,980)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 32,090	\$ 26,170	\$( 5,920)
90th Percentile Wage	\$ 38,670	\$ 31,550	\$( 7,120)
Mean Wage	\$ 27,920	\$ 23,000	\$( 4,920)
Total Employment - 2007	3,210	8,320	5,110
Employment Base - 2006	3,240	8,560	5,320
Projected Employment - 2016	3,180	8,354	5,174
Projected Job Growth - 2006-2016	-1.8 %	-2.4 %	-0.5 %
Projected Annual Openings - 2006-2016	82	274	192

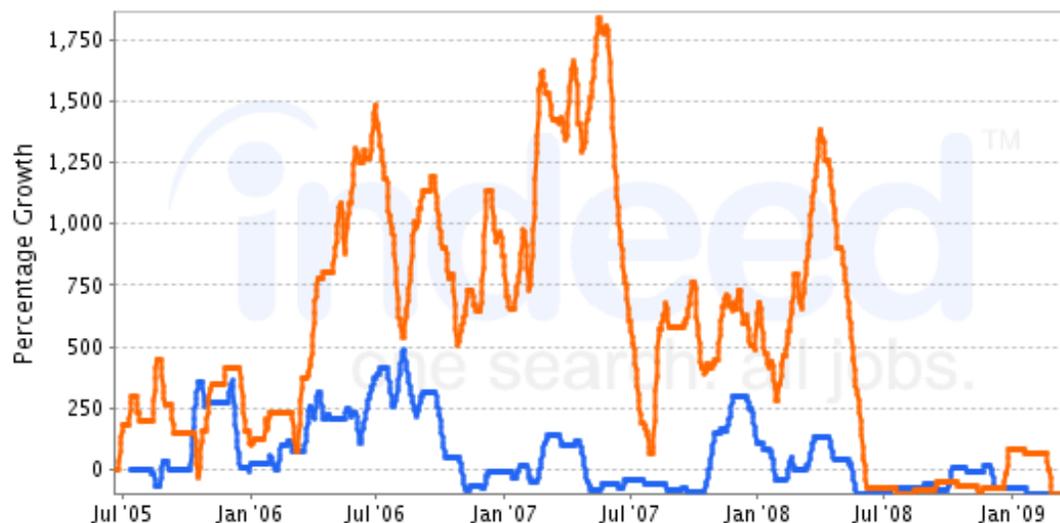
### National Job Posting Trends

Trend for Industrial Truck and Tractor Operators

Trend for Laborers and Freight, Stock, and Material Movers, Hand

**Job Trends from Indeed.com**

— Industrial Truck and Tractor Operator — Freight Mover

Data from [Indeed](#)**Recommended Programs**

No program data for the occupation.

**Maine Statewide Promotion Opportunities for Industrial Truck and Tractor Operators**

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
53-7051.00	Industrial Truck and Tractor Operators	100	2	3,210	\$26,160.00	\$0.00	-2%	82
53-3032.00	Truck Drivers, Heavy and Tractor-Trailer	85	2	9,940	\$31,140.00	\$4,980.00	3%	246
51-9191.00	Cementing and Gluing Machine Operators and Tenders	84	1	80	\$27,620.00	\$1,460.00	-15%	2
47-4051.00	Highway Maintenance Workers	84	2	2,210	\$28,790.00	\$2,630.00	7%	60
47-4061.00	Rail-Track Laying and Maintenance Equipment Operators	82	1	120	\$36,960.00	\$10,800.00	8%	4
43-5041.00	Meter Readers, Utilities	81	1	90	\$31,240.00	\$5,080.00	-11%	3



51-9041.00	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	81	2	260	\$28,330.00	\$2,170.00	-7%	5
37-3013.00	Tree Trimmers and Pruners	81	2	0	\$38,080.00	\$11,920.00	0%	0
53-7063.00	Machine Feeders and Offbearers	81	1	480	\$26,820.00	\$660.00	-22%	9
53-4011.00	Locomotive Engineers	81	4	100	\$59,580.00	\$33,420.00	12%	4
51-9121.00	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	81	2	850	\$38,860.00	\$12,700.00	-26%	19
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	81	2	910	\$38,230.00	\$12,070.00	-26%	23
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	80	2	970	\$41,950.00	\$15,790.00	-12%	10
51-2021.00	Coil Winders, Tapers, and Finishers	80	2	90	\$31,910.00	\$5,750.00	-53%	1
51-4031.00	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	80	2	450	\$27,500.00	\$1,340.00	-14%	11

### Top Industries for Laborers and Freight, Stock, and Material Movers, Hand

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Employment services	561300	19.40%	468,592	533,758	13.91%
Warehousing and storage	493100	5.89%	142,188	170,924	20.21%
Couriers	492100	5.31%	128,381	124,161	-3.29%
Grocery and related product wholesalers	424400	3.05%	73,798	72,627	-1.59%
General freight trucking	484100	2.90%	70,150	71,413	1.80%
Building material and supplies dealers	444100	1.98%	47,890	55,080	15.01%
Grocery stores	445100	1.81%	43,792	43,002	-1.80%
Specialized freight trucking	484200	1.69%	40,898	41,459	1.37%
Miscellaneous durable goods merchant wholesalers	423900	1.69%	40,948	42,309	3.32%



Miscellaneous nondurable goods merchant wholesalers	424900	1.48%	35,809	35,039	-2.15%
Local government, excluding education and hospitals	939300	1.45%	35,063	35,451	1.10%
Wholesale electronic markets and agents and brokers	425100	1.33%	32,082	32,765	2.13%
Lumber and other construction materials merchant wholesalers	423300	1.31%	31,750	32,822	3.37%
Management of companies and enterprises	551100	1.03%	24,918	25,853	3.75%
Furniture stores	442100	1.00%	24,189	22,213	-8.17%

### Top Industries for Industrial Truck and Tractor Operators

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Warehousing and storage	493100	12.45%	79,310	95,338	20.21%
Building material and supplies dealers	444100	8.14%	51,838	59,620	15.01%
Employment services	561300	6.01%	38,285	43,610	13.91%
Grocery and related product wholesalers	424400	4.08%	25,980	25,568	-1.59%
General freight trucking	484100	3.33%	21,218	21,599	1.80%
Motor vehicle parts manufacturing	336300	2.65%	16,903	12,111	-28.35%
Plastics product manufacturing	326100	2.44%	15,571	14,855	-4.60%
Converted paper product manufacturing	322200	2.19%	13,953	10,538	-24.47%
Lumber and other construction materials merchant wholesalers	423300	2.13%	13,579	14,037	3.37%
Fruit and vegetable preserving and specialty food manufacturing	311400	1.61%	10,255	8,368	-18.40%
Other wood product manufacturing	321900	1.53%	9,723	8,246	-15.19%
Sawmills and wood preservation	321100	1.35%	8,578	6,190	-27.84%
Couriers	492100	1.34%	8,561	8,280	-3.29%
Miscellaneous durable goods merchant wholesalers	423900	1.33%	8,504	8,786	3.32%
Beverage manufacturing	312100	1.21%	7,713	6,519	-15.48%